CLAIMS

1. A printing system comprising:
a host machine including,
an application generating page data at a predetermined bit rate per plane per pixel,
an image processor, receiving the page data, rendering interim data that contains a multi-bit value per plane per pixel, and
an I/O device for communicating the interim data; and
a printing device including,
an I/O device for communicating the interim data,
a pulse code generator, receiving the interim data, for each multi-bit value, generating a pulse code corresponding to the multi-bit value, and
a print engine, receiving the pulse codes, transforming the pulse code to a hardcopy image.

2. A printing system, as defined in claim 1, each multi-bit value includes print parameters.

3. A printing system, as defined in claim 2, wherein the print parameters are selected from a group that includes as toner miser mode, toner explosion, and edge roll off.

4. A method for rendering a hardcopy image comprising:
on a host machine,
generating page data at a selected bit rate per plane per pixel,
rendering data to interim multi-bit values per plane per pixel interim value, and
transferring the interim multi-bit values; and
on a printing device,
transferring the interim multi-bit values to and from the host machine,
generating pulse codes from the interim multi-bit values, and

rendering a hardcopy image from the pulse codes.

5. A method for rendering a hardcopy image as defined in claim 4, each multi-bit value includes print parameters.

6. A method for rendering a hardcopy image as defined in claim 5, wherein the print parameters are selected from a group that includes as toner miser mode, toner explosion, and edge roll off.

7. A host machine comprising:

an application generating page data at a predetermined bit rate per plane per pixel,

an image processor, receiving the page data, rendering interim data that contains a multi-bit value per plane per pixel, and

an I/O device for communicating the interim data.

8. A printing system, as defined in claim 7 each multi-bit value includes print parameters.

9. A printing system, as defined in claim 8, wherein the print parameters are selected from a group that includes as toner miser mode, toner explosion, and edge roll off.